

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/031687

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B32B27/08 B32B7/12 C09J7/02 B44C1/17

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B32B C09J B44C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/081231 A (KAMIYAMA KEHJU ; 3M INNOVATIVE PROPERTIES CO (US)) 17 October 2002 (2002-10-17) cited in the application page 2, line 13 - line 16; claim 1; figure 1 page 4, line 13 - line 20 page 8, line 17	1-17
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07, 29 September 2000 (2000-09-29) & JP 2000 094596 A (TOPPAN PRINTING CO LTD), 4 April 2000 (2000-04-04) cited in the application abstract ----- -/--	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

17 January 2005

Date of mailing of the international search report

26/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Pamies 011e, S

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/031687

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 387 472 B1 (RECK ROBERT ET AL) 14 May 2002 (2002-05-14) column 4, line 50 - column 5, line 13; figure 1 -----	1-17

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/031687

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02081231	A	17-10-2002	JP 2002321328 A	05-11-2002
			EP 1392525 A2	03-03-2004
			WO 02081231 A2	17-10-2002
			US 2004137249 A1	15-07-2004
<hr/>				
JP 2000094596	A	04-04-2000	NONE	
<hr/>				
US 6387472	B1	14-05-2002	WO 9734774 A1	25-09-1997
			DE 4446255 A1	27-06-1996
			AU 713604 B2	09-12-1999
			AU 5099296 A	10-10-1997
			BR 9612563 A	20-07-1999
			EP 0888224 A1	07-01-1999
			HK 1016133 A1	08-12-2000
			JP 8183143 A	16-07-1996
			TW 401352 B	11-08-2000

BEST AVAILABLE COPY